FIG. 1A

FIG. 1B

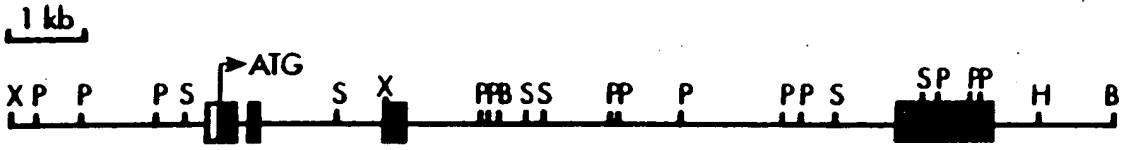


FIG. 1C

5' Exon	Intron	3' Exon
(2918)GCGG | GTGAG	——— (3161)CTGTCCCTTGCAG	| ATGGC
(3280)CCAT | GTAAG	——— (5145)TTGATTTTTCTAG	| AGAGG
(5272)AATT | GTATG	——— (11942)TCTTTATTTCCAG	| GCAAA

FIG. 1D

FIG. 2A

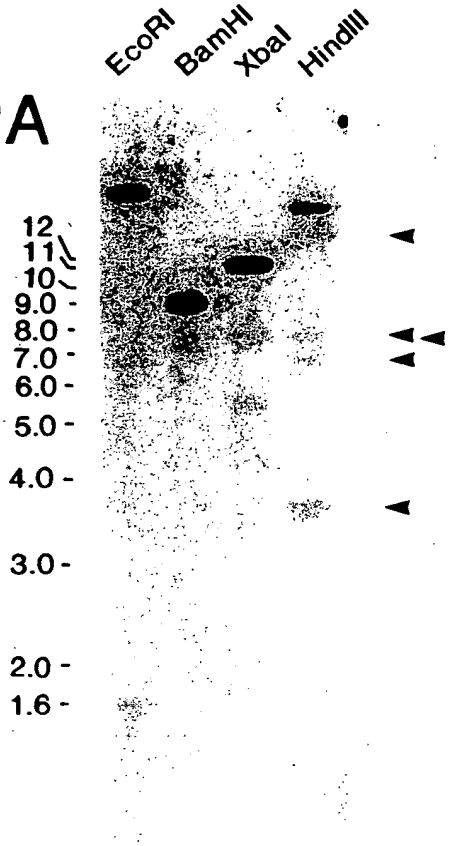


FIG. 2B

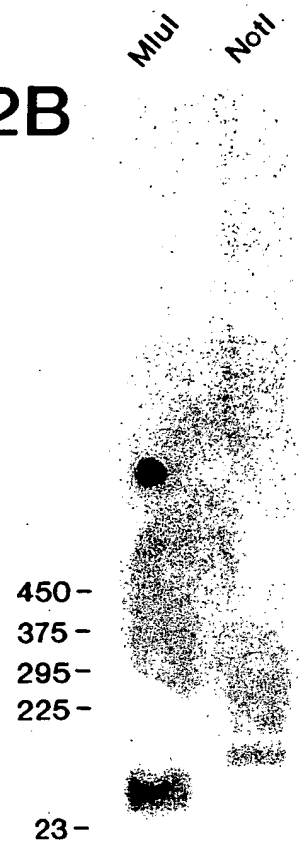
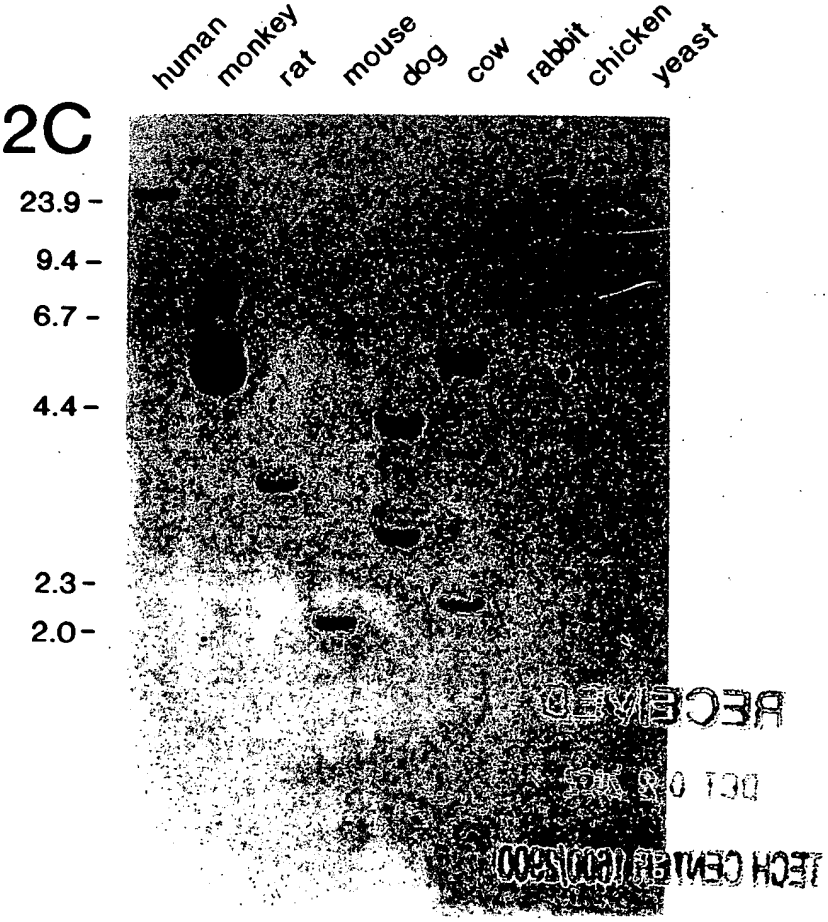


FIG. 2C



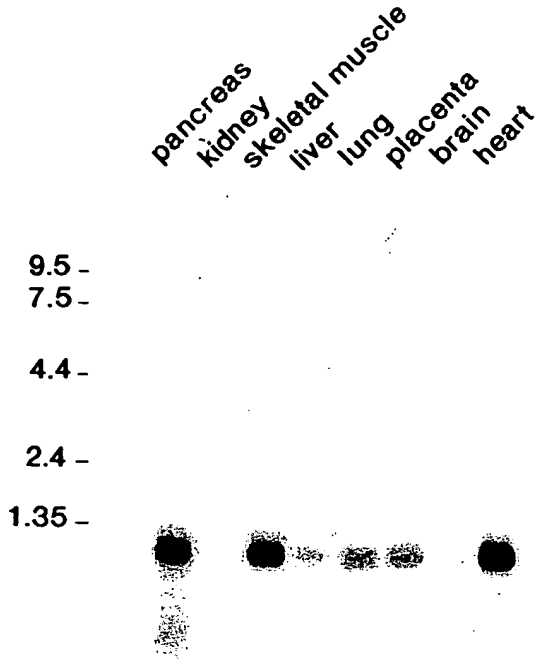


FIG. 3A

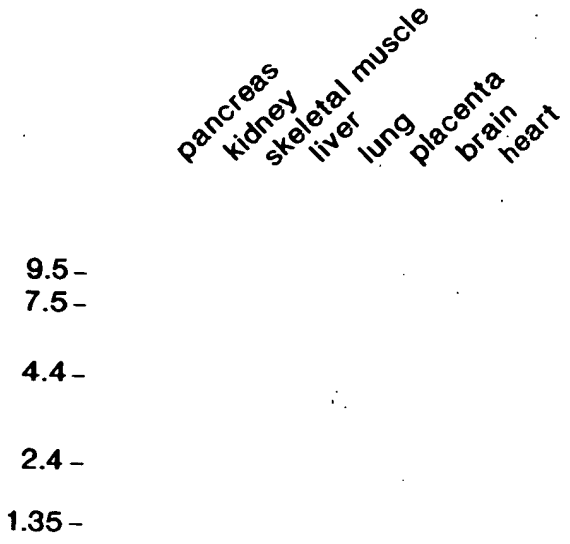


FIG. 3B

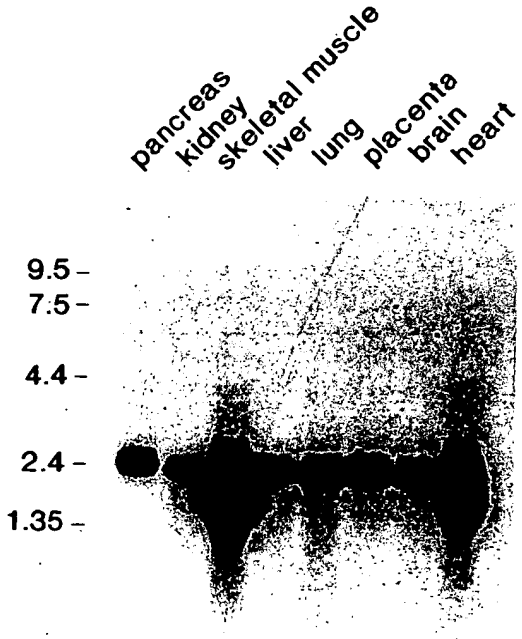


FIG. 3C

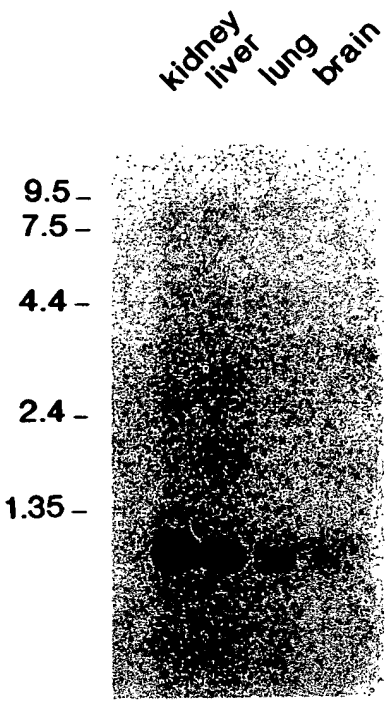


FIG. 3D

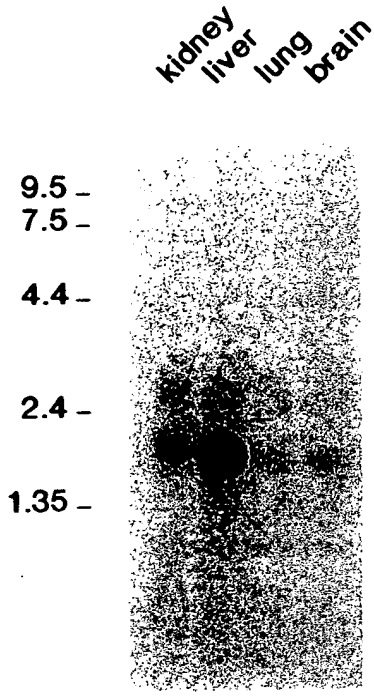


FIG. 3E

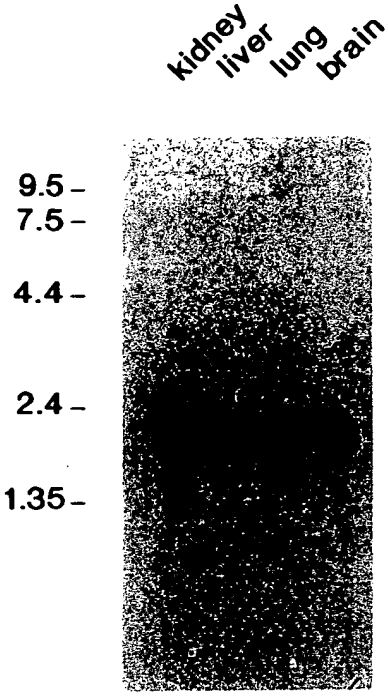


FIG. 3F

FIG. 4B-2

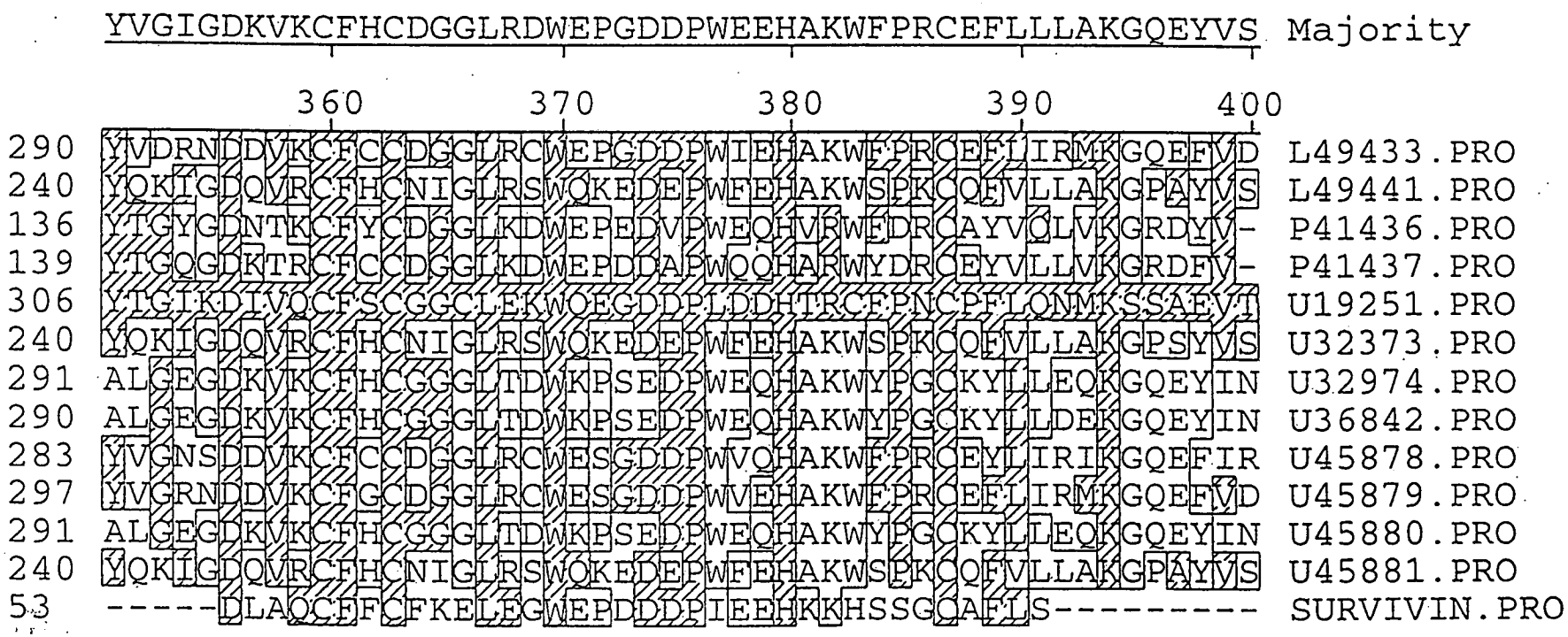
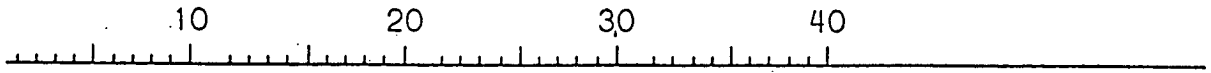
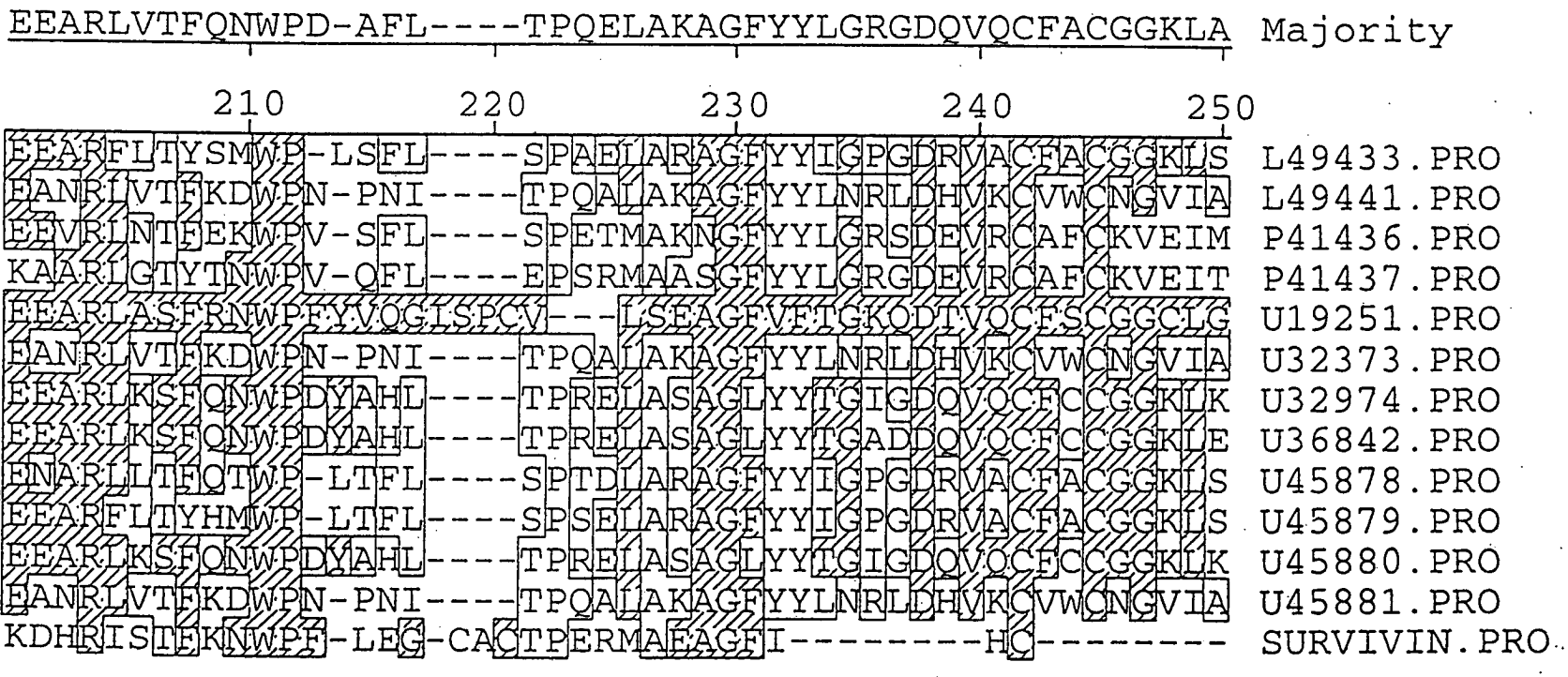


FIG. 4A



MGAPTLPPAW QPFLKDHRIS TFKNWPFLEG CACTPERMAE 40
AGFIHCPTEN EPDLAQCFFC FKELEGWEPD DDPIEEHKKH 80
SSGCAFLSVK KQFEELTLGE FLKLDRERAK NKIAKETNNK 120
KKEFEETAKK VRRAIEQLAA MD 142

FIG. 4B-1



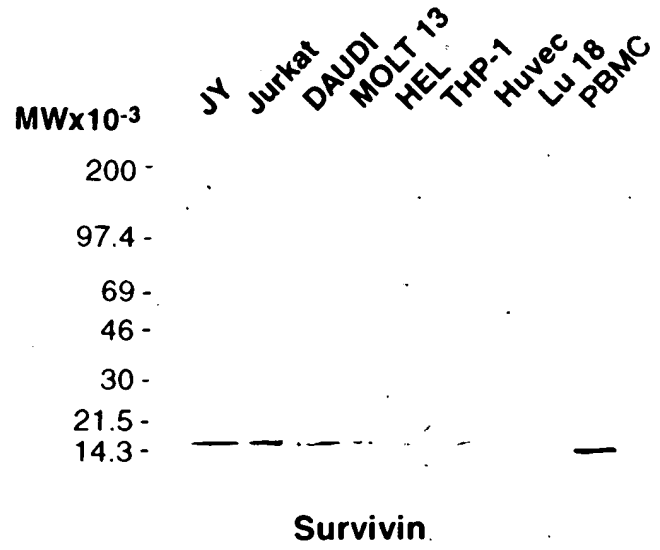


FIG. 4C-1

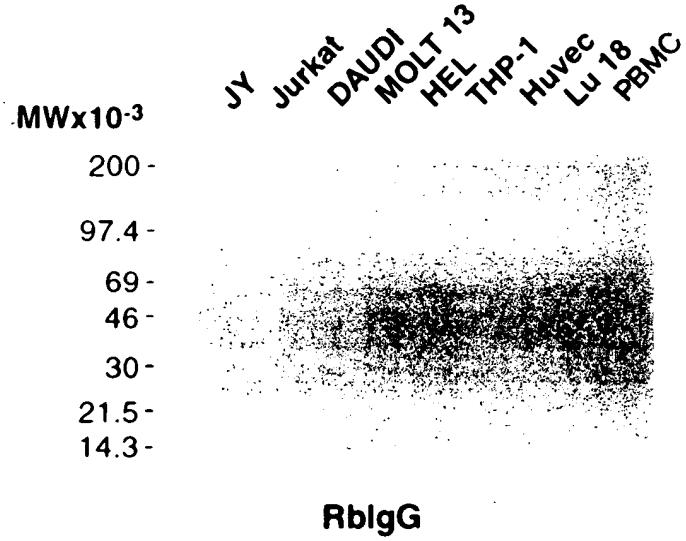
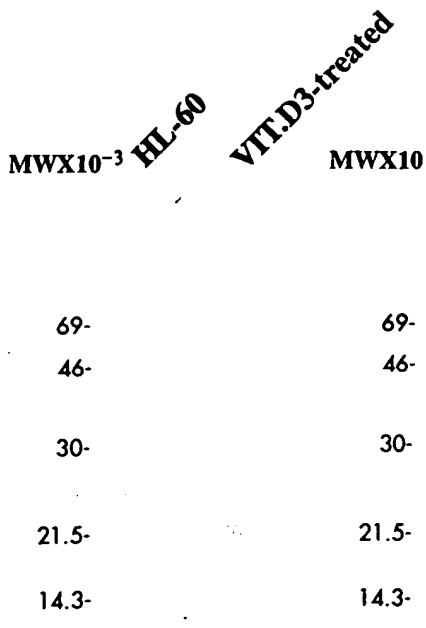


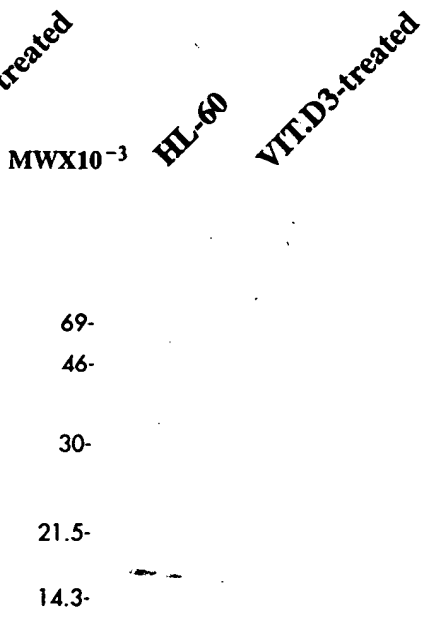
FIG. 4C-2



RblgG

Immunoblotting

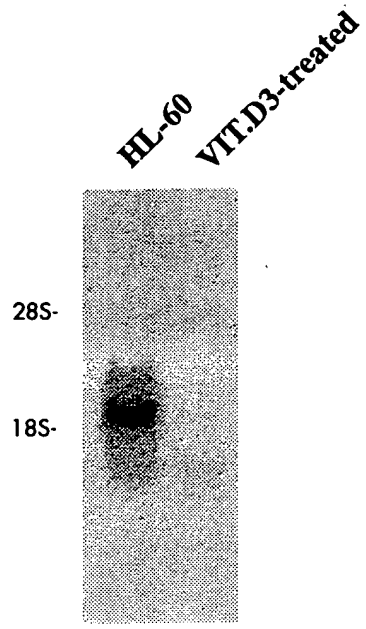
FIG. 5A



Survivin

Immunoblotting

FIG. 5B



Survivin

Northern Blot

FIG. 5C

FIG. 6A

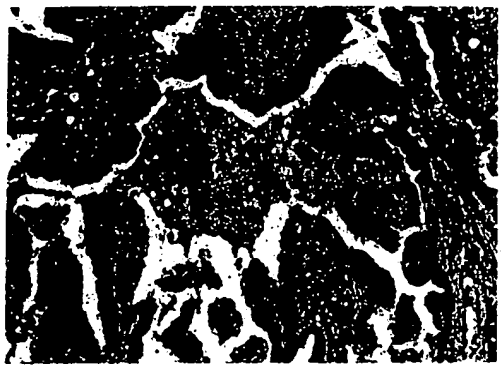


FIG. 6B

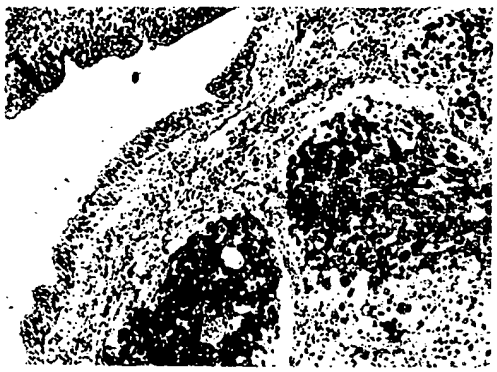


FIG. 6C

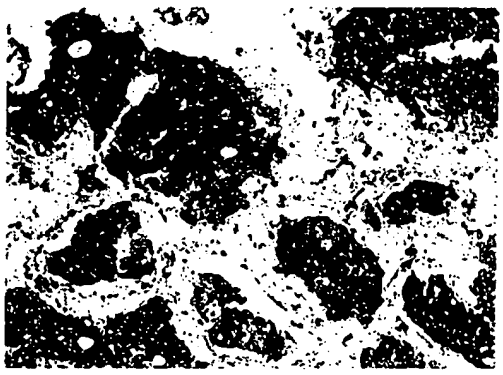


FIG. 6D

FIG. 6E

FIG. 6F

FIG. 6G

FIG. 6H

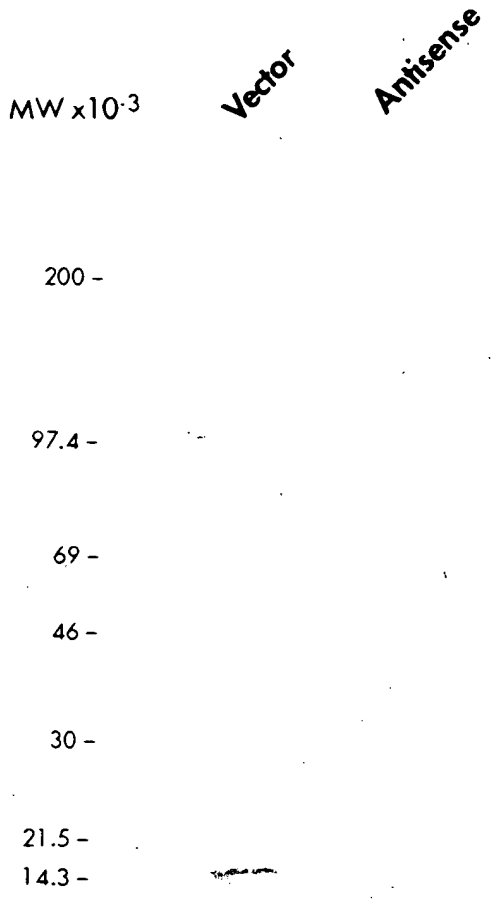


FIG. 7A

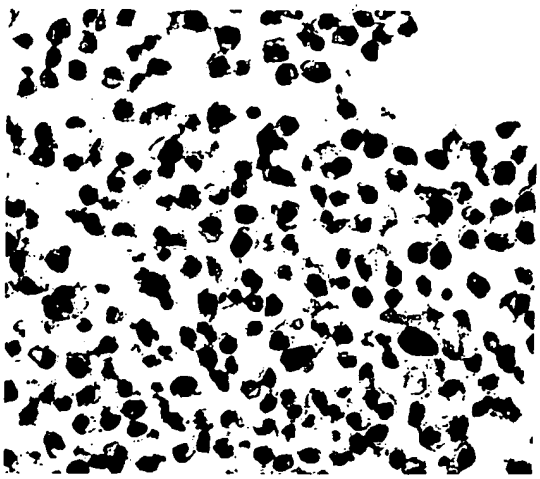


FIG. 7B-1

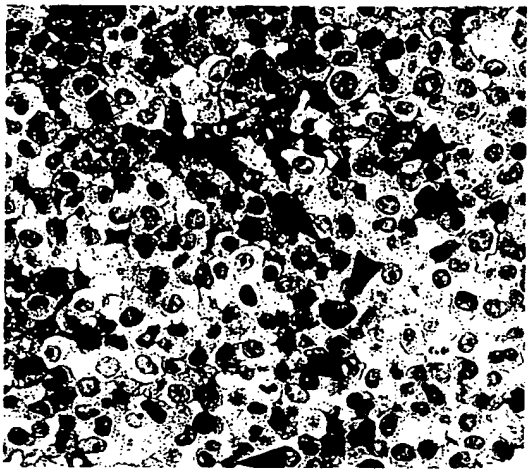


FIG. 7B-2

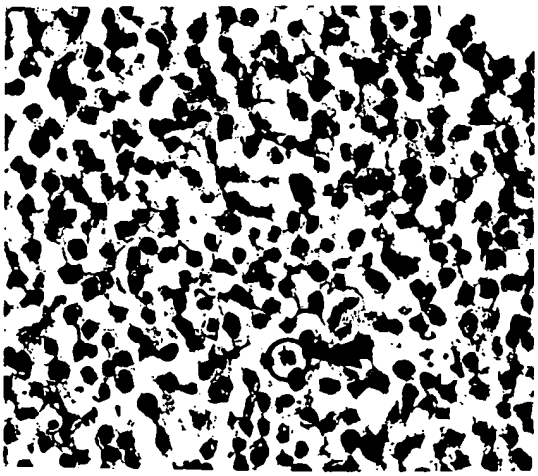


FIG. 7B-3

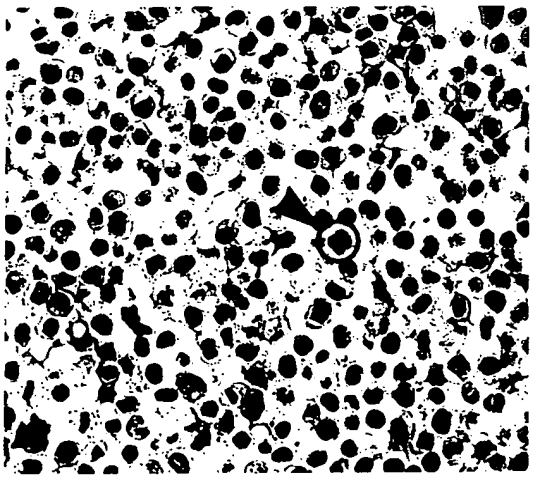
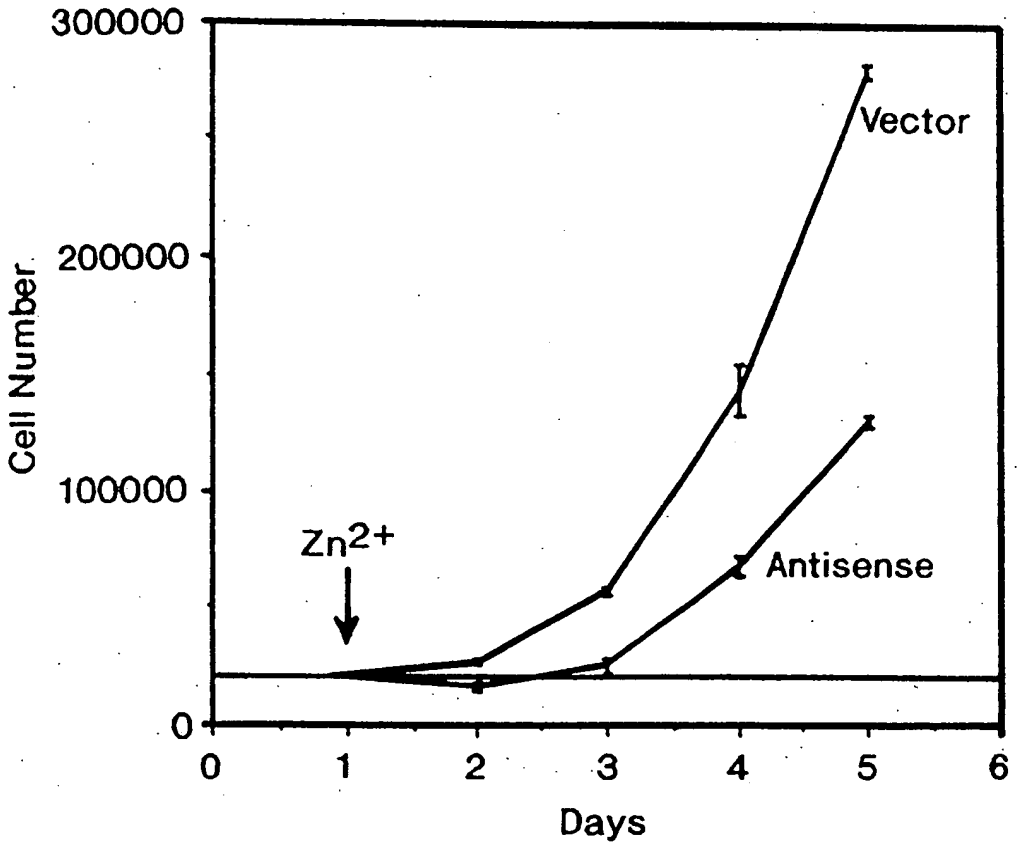


FIG. 7B-4

FIG. 7C



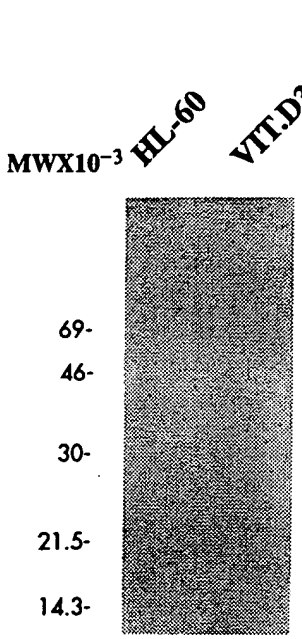


FIG. 8A

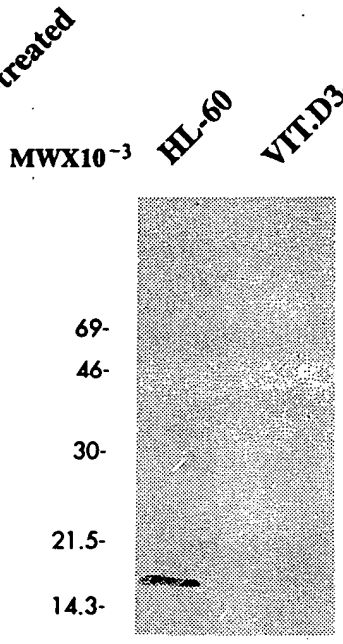


FIG. 8B

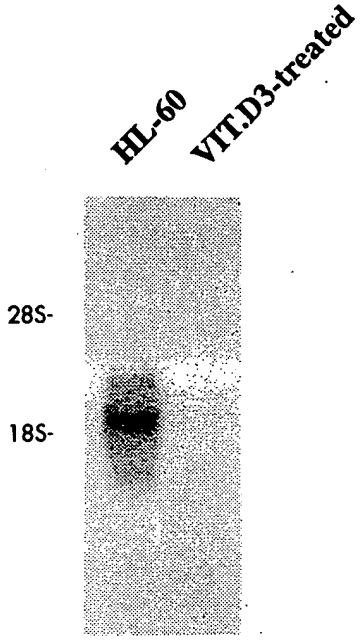


FIG. 8C

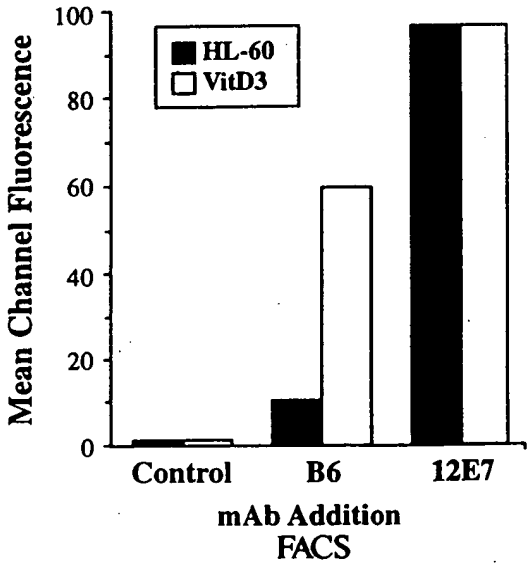


FIG. 8D

FIG. 9

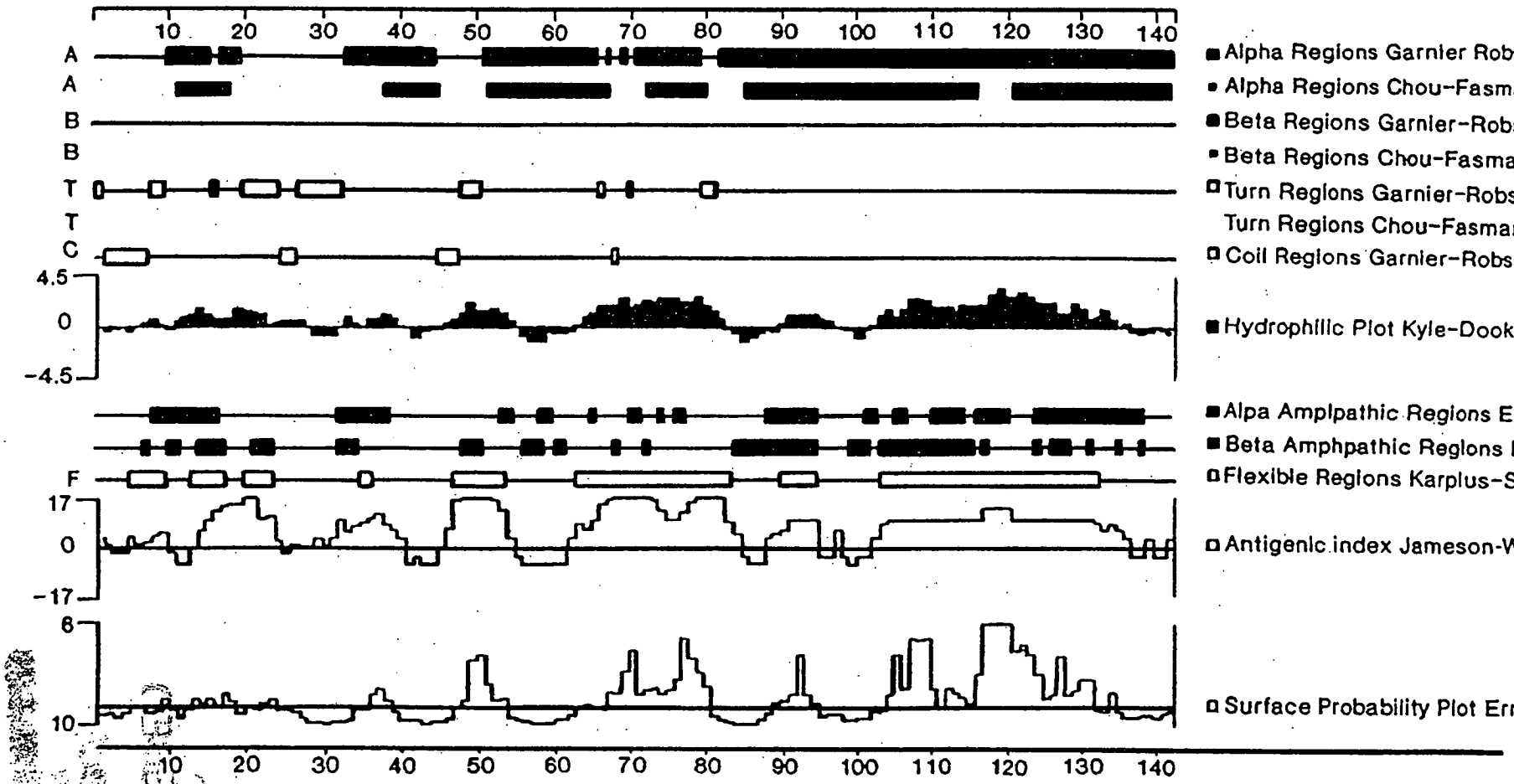


FIG. 10A

translation=MGAPTLPPAWQPFLKDHRISTFKNWPFLEGCACTPERMAEAGFIHCP
TENEPDLAQCFFCFKELEGWEPDDDPIEEHKKHSSGCAFLSVKKQFEELTLGEFL
KLDRERAKNKIAKETNNKKKEFEETAKKVRRAIEQLAAMD

```
1       TCTAGACATG CGGATATATT CAAGCTGGGC ACAGCACAGC AGCCCCACCC
51      CAGGCAGCTT GAAATCAGAG CTGGGGTCCA AAGGGACCAC ACCCCGAGGG
101     ACTGTGTGGG GGTCGGGGCA CACAGGCCAC TGCTTCCCCC CGTCTTTCTC
151     AGCCATTCCT GAAGTCAGCC TCACTCTGCT TCTCAGGGAT TTCAAATGTG
201     CAGAGACTCT GGCACTTTTG TAGAAGCCCC TTCTGGTCCT AACTTACACC
251     TGGATGCTGT GGGGCTGCAG CTGCTGCTCG GGCTCGGGAG GATGCTGGGG
301     GCCCGGTGCC CATGAGCTTT TGAAGCTCCT GGAACTCGGT TTTGAGGGTG
351     TTCAGGTCCA GGTGGACACC TGGGCTGTCC TTGTCCATGC ATTTGATGAC
401     ATTGTGTGCA GAAGTGAAAA GGAGTTAGGC CGGGCATGCT GGCTTATGCC
451     TGTAATCCCA GCACTTTGGG AGGCTGAGGC GGGTGGATCA CGAGGTCAGG
501     AGTTCAATAC CAGCCTGGCC AAGATGGTGA AACCCCGTCT CTACTAAAAA
551     TACAAAAAAA TTAGCCGGGC ATGGTGGCGG GCGCATGTAA TCCCAGCTAC
601     TGGGGGGGCT GAGGCAGAGA ATTGCTGGAA CCCAGGAGAT GGAGGTTGCA
651     GTGAGCCAAG ATTGTGCCAC TGCACTGCAC TCCAGCCTGG CGACAGAGCA
701     AGACTCTGTC TCAAAAAAAA AAAAAAAAAG TGAAAAGGAG TTGTTCCTTT
751     CCTCCCTCCT GAGGGCAGGC AACTGCTGCG GTTGCCAGTG GAGGTGGTGC
801     GTCCTTGGTC TGTGCCTGGG GGCCACCCCA GCAGAGGCCA TGGTGGTGCC
851     AGGGCCCGGT TAGCGAGCCA ATCAGCAGGA CCCAGGGGCG ACCTGCCAAA
901     GTCAACTGGA TTTGATAACT GCAGCGAAGT TAAGTTTCCT GATTTTGATG
951     ATTGTGTTGT GGTTGTGTAA GAGAATGAAG TATTTCGGGG TAGTATGGTA
1001    ATGCCTTCAA CTTACAAACG GTTCAGGTAA ACCACCCATA TACATACATA
1051    TACATGCATG TGATATATAC ACATACAGGG ATGTGTGTGT GTTCACATAT
1101    ATGAGGGGAG AGAGACTAGG GGAGAGAAAG TAGGTTGGGG AGAGGGAGAG
1151    AGAAAGGAAA ACAGGAGACA GAGAGAGAGC GGGGAGTAGA GAGAGGGAAG
1201    GGGTAAGAGA GGGAGAGGAG GAGAGAAAGG GAGGAAGAAG CAGAGAGTGA
1251    ATGTTAAAGG AAACAGGCAA AACATAAACA GAAAATCTGG GTGAAGGGTA
1301    TATGAGTATT CTTTGTACTA TTCTTGCAAT TATCTTTTAT TTAAATTGAC
1351    ATCGGGCCGG GCGCAGTGGC TCACATCTGT AATCCCAGCA CTTTGGGAGG
1401    CCGAGGCAGG CAGATCACTT GAGGTCAGGA GTTTGAGACC AGCCTGGCAA
1451    ACATGGTGAA ACCCCATCTC TACTAAAAAT ACAAAAATTA GCCTGGTGTG
1501    GTGGTGCATG CCTTTAATCT CAGCTACTCG GGAGGCTGAG GCAGGAGAAT
1551    CGCTTGAACC CGTGGCGGGG AGGAGGTTGC AGTGAGCTGA GATCATGCCA
1601    CTGCACTCCA GCCTGGGCGA TAGAGCGAGA CTCAGTTTCA AATAAATAAA
1651    TAAACATCAA AATAAAAAGT TACTGTATTA AAGAATGGGG GCGGGGTGGG
1701    AGGGGTGGGG AGAGGTTGCA AAAATAAATA AATAAATAAA TAAACCCCAA
1751    AATGAAAAAG ACAGTGGAGG CACCAGGCCT GCGTGGGGCT GGAGGGCTAA
1801    TAAGGCCAGG CCTCTTATCT CTGGCCATAG AACCAGAGAA GTGAGTGGAT
1851    GTGATGCCCA GCTCCAGAAG TGACTCCAGA ACACCCTGTT CCAAAGCAGA
1901    GGACACACTG ATTTTTTTTT TAATAGGCTG CAGGACTTAC TGTTGGTGGG
1951    ACGCCCTGCT TTGCGAAGGG AAAGGAGGAG TTTGCCCTGA GCACAGGCCC
2001    CCACCCTCCA CTGGGCTTTC CCCAGCTCCC TTGTCTTCTT ATCACGGTAG
2051    TGGCCCAGTC CCTGGCCCCT GACTCCAGAA GGTGGCCCTC CTGGAAACCC
2101    AGGTCGTGCA GTCAACGATG TACTCGCCGG GACAGCGATG TCTGCTGCAC
2151    TCCATCCCTC CCCTGTTCAT TTGTCCTTCA TGCCCGTCTG GAGTAGATGC
```

FIG. 10B

```
2201  TTTTTGCAGA GGTGGCACCC TGTAAAGCTC TCCTGTCTGA CTTTTTTTTT
2251  TTTTTTAGAC TGAGTTTTGC TCTTGTTGCC TAGGCTGGAG TGCAATGGCA
2301  CAATCTCAGC TCACTGCACC CTCTGCCTCC CGGGTTCAAG CGATTCTCCT
2351  GCCTCAGCCT CCCGAGTAGT TGGGATTACA GGCATGCACC ACCACGCCCA
2401  GCTAATTTTT GTATTTTTAG TAGAGACAAG GTTTCACCGT GATGGCCAGG
2451  CTGGTCTTGA ACTCCAGGAC TCAAGTGATG CTCCTGCCTA GGCCTCTCAA
2501  AGTGTTGGGA TTACAGGCGT GAGCCACTGC ACCCGGCCTG CACGCGTTCT
2551  TTGAAAGCAG TCGAGGGGGC GCTAGGTGTG GGCAGGGACG AGCTGGCGCG
2601  GCGTCGCTGG GTGCACCGCG ACCACGGGCA GAGCCACGCG GCGGGAGGAC
2651  TACAACTCCC GGCACACCCC GCGCCGCCCC GCCTCTACTC CCAGAAGGCC
2701  GCGGGGGGTG GACCGCCTAA GAGGGCGTGC GCTCCCGACA TGCCCCGCGG
2751  CGCGCCATTA ACCGCCAGAT TTGAATCGCG GGACCCGTTG GCAGAGGTGG
                |————→Start
2801  CGGCGGCGGC ATGGGTGCCC CGACGTTGCC CCCTGCCTGG CAGCCCTTTC
2851  TCAAGGACCA CCGCATCTCT ACATTCAAGA ACTGGCCCTT CTTGGAGGGC
2901  TGCGCCTGCA CCCCGGAGCG GGTGAGACTG CCCGGCCTCC TGGGGTCCCC
2951  CACGCCCGCC TTGCCCTGTC CCTAGCGAGG CCACTGTGAC TGGGCCTCGG
3001  GGGTACAAGC CGCCCTCCCC TCCCCGTCCT GTCCCCAGCG AGGCCACTGT
3051  GGCTGGGCCC CTTGGGTCCA GGCCGGCCTC CCCTCCCTGC TTTGTCCCCA
3101  TCGAGGCCTT TGTGGCTGGG CCTCGGGGTT CCGGGCTGCC ACGTCCACTC
3151  ACGAGCTGTG CTGTCCCTTG CAGATGGCCG AGGCTGGCTT CATCCACTGC
3201  CCCACTGAGA ACGAGCCAGA CTTGGCCCAG TGTTTCTTCT GCTTCAAGGA
3251  GCTGGAAGGC TGGGAGCCAG ATGACGACCC CATGTAAGTC TTCTCTGGCC
3301  AGCCTCGATG GGCTTTGTTT TGAACTGAGT TGTCAAAAGA TTTGAGTTGC
3351  AAAGACACTT AGTATGGGAG GGTTGCTTTC CACCCTCATT GCTTCTTAAA
3401  CAGCTGTTGT GAACGGATAC CTCTCTATAT GCTGGTGCCT TGGTGATGCT
3451  TACAACCTAA TTAAATCTCA TTTGACCAAA ATGCCTTGGG GTGGACGTAA
3501  GATGCCTGAT GCCTTTCATG TTCAACAGAA TACATCAGCA GACCCTGTTG
3551  TTGTGAACTC CCAGGAATGT CCAAGTGCTT TTTTTGAGAT TTTTTAAAAA
3601  ACAGTTTAAT TGAAATATAA CCTACACAGC ACAAAAATTA CCCTTTGAAA
3651  GTGTGCACTT CACACTTTCG GAGGCTGAGG CGGGCGGATC ACCTGAGGTC
3701  AGGAGTTCAA GACCTGCCTG GCCAACTTGG CGAAACCCCG TCTCTACTAA
3751  AAATACAAAA ATTAGCCGGG CATGGTAGCG CACGCCCGTA ATCCCAGCTA
3801  CTCGGGAGGC TAAGGCAGGA GAATCGCTTG AACCTGGGAG GCGGAGGTTG
3851  CAGTGAGCCG AGATTGTGCC AATGCACTCC AGCCTCGGCG ACAGAGCGAG
3901  ACTCCGTCAT AAAAATAAAA AATTGAAAAA AAAAAAAGAA AGAAAGCATA
3951  TACTTCAGTG TTGTTCTGGA TTTTTTTCTT CAAGATGCCT AGTTAATGAC
4001  AATGAAATTC TGTACTCGGA TGGTATCTGT CTTTCCACAC TGTAATGCCA
4051  TATTCTTTTC TCACCTTTTT TTCTGTCGGA TTCAGTTGCT TCCACAGCTT
4101  TAATTTTTTT CCCCTGGAGA TCTTAGTATG TTTGCTATGG TGGTTATACT
4151  GCATCCCCGT AATCACTGGG AAAAGATCAG TGGTATTCTT CTTGAAAATG
4201  AATAAGTGTT ATGATATTTT CAGATTAGAG TTACAACTGG CTGTCTTTTT
4251  GGACTTTGTG TGGCCATGTT TTCATTGTAA TGCAGTTCTG GTAACGGTGA
4301  TAGTCAGTTA TACAGGGAGA CTCCCCTAGC AGAAAATGAG AGTGTGAGCT
4351  AGGGGGTCCC TTGGGGAACC CGGGGCAATA ATGCCCTTCT CTGCCCTTAA
4401  TCCTTACAGT GGGCCGGGCA CGGTGGCTTA CGCCTGTAAT ACCAGCACTT
4451  TGGGAGGCCG AGGCGGGCGG ATCACGAGGT CAGGAGATCG AGACCATCTT
4501  GGCTAATACG GTGAAACCCC GTCTCCACTA AAAATACAAA AAATTAGCCG
```

FIG. 10C

```
4551    GGCGTGGTGG TGGGCGCCTG TAGTCCCAGC TACTCGGGAG GCTGAGGCAG
4601    GAGAATGGCG TGAACCCAGG AGGCGGAGCT TGCAGTGAGC CGAGATTGCA
4651    CCACTGCACT CCAGCCTGGG CGACAGAATG AGACTCCGTC TCAAAAAAAA
4701    AAAAAAAAGA AAAAAATCTT TACAGTGGAT TACATAACAA TTCCAGTGAA
4751    ATGAAATTAC TTCAAACAGT TCCTTGAGAA TGTTGGAGGG ATTTGACATG
4801    TAATTCCTTT GGACATATAC CATGTAACAC TTTTCCAACT AATTGCTAAG
4851    GAAGTCCAGA TAAAATAGAT ACATTAGCCA CACAGATGTG GGGGGAGATG
4901    TCCACAGGGA GAGAGAAGGT GCTAAGAGGT GCCATATGGG AATGTGGCTT
4951    GGGCAAAGCA CTGATGCCAT CAACTTCAGA CTTGACGTCT TACTCCTGAG
5001    GCAGAGCAGG GTGTGCCTGT GGAGGGCGTG GGGAGGTGGC CCGTGGGGAG
5051    TGGACTGCCG CTTTAATCCC TTCAGCTGCC TTTCCGCTGT TGTTTTGATT
5101    TTTCTAGAGA GGAACATAAA AAGCATTCGT CCGGTTGCGC TTTCCTTTCT
5151    GTCAAGAAGC AGTTTGAAGA ATTAACCCTT GGTGAATTTT TGAAACTGGA
5201    CAGAGAAAGA GCCAAGAACA AAATTGTATG TATTGGGAAT AAGAACTGCT
5251    CAAACCCTGT TCAATGTCTT TAGCACTAAA CTACCTAGTC CCTCAAAGGG
5301    ACTCTGTGTT TTCCTCAGGA AGCATTTTTT TTTTTTTTCT GAGATAGAGT
5351    TTCACTCTTG TTGCCCAGGC TGGAGTGCAA TGGTGCAATC TTGGCTCACT
5401    GCAACCTCTG CCTCTCGGGT TCAAGTGATT CTCCTGCCTC AGCCTCCCAA
5451    GTAACTGGGA TTACAGGGAA GTGCCACCAC ACCCAGCTAA TTTTTGTATT
5501    TTTAGTAGAG ATGGGGTTTC ACCACATTGC CCAGGCTGGT CTTGAACTCC
5551    TGACCTCGTG ATTCGCCCAC CTTGGCCTCC CAAAGTGCTG GGATTACAGG
5601    CGTGAACCAC CACGCCTGGC TTTTTTTTTT TTGTTCTGAG ACACAGTTTC
5651    ACTCTGTTAC CCAGGCTGGA GTAGGGTGGC CTGATCTCGG ATCACTGCAA
5701    CCTCCGCCTC CTGGGCTCAA GTGATTTGCC TGCTTCAGCC TCCCAAGTAG
5751    CCGAGATTAC AGGCATGTGC CACCACACCC AGGTAATTTT TGTATTTTTG
5801    GTAGAGACGA GGTTTCACCA TGTTGGCCAG GCTGGTTTTG AACTCCTGAC
5851    CTCAGGTGAT CCACCCGCCT CAGCCTCCCA AAGTGCTGAG ATTATAGGTG
5901    TGAGCCACCA CACCTGGCCT CAGGAAGTAT TTTTATTTTT AAATTTATTT
5951    ATTTATTTGA GATGGAGTCT TGCTCTGTCG CCCAGGCTAG AGTGCAGCGA
6001    CGGGATCTCG GCTCACTGCA AGCTCCGCCC CCCAGGTTCA AGCCATTCTC
6051    CTGCCTCAGC CTCCCGAGTA GCTGGGACTA CAGGCGCCCG CCACCACACC
6101    CGGCTAATTT TTTTGTATTT TTAGTAGAGA CGGGTTTTCA CCGTGTTAGC
6151    CAGGAGGGTC TTGATCTCCT GACCTCGTGA TCTGCCTGCC TCGGCCTCCC
6201    AAAGTGCTGG GATTACAGGT GTGAGCCACC ACACCCGGCT ATTTTTATTT
6251    TTTTGAGACA GGGACTCACT CTGTCACCTG GGCTGCAGTG CAGTGGTACA
6301    CCATAGCTCA CTGCAGCCTC GAACTCCTGA GCTCAAGTGA TCCTCCCACC
6351    TCATCCTCAC AAGTAATTGG GACTACAGGT GCACCCCACC ATGCCCACCT
6401    AATTTATTTA TTTATTTATT TATTTATTTT CATAGAGATG AGGGTTCCCT
6451    GTGTTGTCCA GGCTGGTCTT GAACTCCTGA GCTCACGGGA TCCTTTTGCC
6501    TGGGCCTCCC AAAGTGCTGA GATTACAGGC ATGAGCCACC GTGCCCAGCT
6551    AGGAATCATT TTTAAAGCCC CTAGGATGTC TGTGTGATTT TAAAGCTCCT
6601    GGAGTGTGGC CGGTATAAGT ATATACCGGT ATAAGTAAAT CCCACATTTT
6651    CTGGGCTTTA TTTATTTATT TATTTATTTA TTTATTTTTA ATTTTTTTTT
6701    TTGAGACGAG TCTCACTTTG TCACCCAGGC TGGAGTGCAG TGGCACGATC
6751    TCGGCTCACT GCAACCTCTG CCTCCCGGGG TCAAGCGATT CTCCTGCCTT
6801    AGCCTCCCGA GTAGCTGGGA CTACAGGCAC GCACCACCAT GCCTGGCTAA
6851    TTTTTGTATT TTTAGTAGAC GGGGTTTCAC CATGCTGGCC AAGCTGGTCT
6901    CAAACTCCTG ACCTTGTGAT CTGCCCGCTT TAGCCTCCCA GAGTGCTGGG
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FIG. 10D

```
6951    ATTACAGGCA TGAGCCACCA TGCGTGGTCT TTTTAAAATT TTTTGATTTT
7001    TTTTTTTTTT GAGACAGAGC CTTGCTCTGT CGCCCAGGCT GGAGTGCAGT
7051    GGCACGATCT CAGCTCACTA CAAGCTCCGC CTCCCGGGTT CACGCCATTC
7101    TTCTGCCTCA GCCTCCTGAG TAGCTGGGAC TACAGGTGCC CACCACCACG
7151    CCTGGCTAAT TTTTTTTGGT ATTTTTATTA GAGACAAGGT TTCATCATGT
7201    TGGCCAGGCT GGTCTCAAAC TCCTGACCTC AAGTGATCTG CCTGCCTCGG
7251    CCTCCCAAAG CGCTGAGATT ACAGGTGTGA TCTACTGCGC CAGGCCTGGG
7301    CGTCATATAT TCTTATTTGC TAAGTCTGGC AGCCCCACAC AGAATAAGTA
7351    CTGGGGGATT CCATATCCTT GTAGCAAAGC CCTGGGTGGA GAGTCAGGAG
7401    ATGTTGTAGT TCTGTCTCTG CCACTTGCAG ACTTTGAGTT TAAGCCAGTC
7451    GTGCTCATGC TTTCCTTGCT AAATAGAGGT TAGACCCCCT ATCCCATGGT
7501    TTCTCAGGTT GCTTTTCAGC TTGAAAATTG TATTCCTTTG TAGAGATCAG
7551    CGTAAAATAA TTCTGTCCTT ATATGTGGCT TTATTTTAAT TTGAGACAGA
7601    GTGTCACTCA GTCGCCCAGG CTGGAGTGTG GTGGTGCGAT CTTGGCTCAC
7651    TGCGACCTCC ACCTCCCAGG TTCAAGCGAT TCTCGTGCCT CAGGCTCCCA
7701    AGTAGCTGAG ATTATAGGTG TGTGCCACCA GGCCCAGCTA ACTTTTGTAT
7751    TTTTAGTAGA GACAGGGTTT TGCCATGTTG GCTAAGCTGG TCTCGAACTC
7801    CTGGCCTCAA GTGATCTGCC CGCCTTGGCA TCCCAAAGTG CTGGGATTAC
7851    AGGTGTGAAC CACCACACCT GGCCTCAATA TAGTGGCTTT TAAGTGCTAA
7901    GGACTGAGAT TGTGTTTTGT CAGGAAGAGG CCAGTTGTGG GTGAAGCATG
7951    CTGTGAGAGA GCTTGTCACC TGGTTGAGGT TGTGGGAGCT GCAGCGTGGG
8001    AACTGGAAAG TGGGCTGGGG ATCATCTTTT TCCAGGTCAG GGGTCAGCCA
8051    GCTTTTCTGC AGCGTGCCAT AGACCATCTC TTAGCCCTCG TGGGTCAGAG
8101    TCTCTGTTGC ATATTGTCTT TTGTTGTTTT TCACAACCTT TTAGAAACAT
8151    AAAAAGCATT CTTAGCCCGT GGGCTGGACA AAAAAAGGCC ATGACGGGCT
8201    GTATGGATTT GGCCCAGCAG GCCCTTGCTT GCCAAGCCCT GTTTTAGACA
8251    AGGAGCAGCT TGTGTGCCTG GAACCATCAT GGGCACAGGG GAGGAGCAGA
8301    GTGGATGTGG AGGTGTGAGC TGGAAACCAG GTCCCAGAGC GCTGAGAAAG
8351    ACAGAGGGTT TTTGCCCTTG CAAGTAGAGC AACTGAAATC TGACACCATC
8401    CAGTTCCAGA AAGCCCTGAA GTGCTGGTGG ACGCTGCGGG GTGCTCCGCT
8451    CTAGGGTTAC AGGGATGAAG ATGCAGTCTG GTAGGGGGAG TCCACTCACC
8501    TGTTGGAAGA TGTGATTAAG AAAAGTAGAC TTTCAGGGCC GGGCATGGTG
8551    GCTCACGCCT GTAATCCCAG CACTTTGGGA GGCCGAGGCG GGTGGATCAC
8601    GAGGTCAGGA GATCGAGACC ATCCTGGCTA ACATGGTGAA ACCCCGTCTT
8651    TACTAAAAAT ACAAAAAATT AGCTGGGCGT GGTGGCGGGC GCCTGTAGTC
8701    CCAGCTACTC GGGAGGCTGA GGCAGGAGAA TGGCGTGAAC CTGGGAGGTG
8751    GAGCTTGCTG TGAGCCGAGA TCGCGCCACT GCACTCCAGC CTGGGCGACA
8801    GAGCGAGACT CCGTCTCAAA AAAAAAAAAA AAAGTAGGCT TTCATGATGT
8851    GTGAGCTGAA GGCGCAGTAG GCAGAAGTAG AGGCCTCAGT CCCTGCAGGA
8901    GACCCCTCGG TCTCTATCTC CTGATAGTCA GACCCAGCCA CACTGGAAAG
8951    AGGGGAGACA TTACAGCCTG CGAGAAAAGT AGGGAGATTT AAAAACTGCT
9001    TGGCTTTTAT TTTGAACTGT TTTTTTTGTT TGTTTGTTTT CCCCAATTCA
9051    GAATACAGAA TACTTTTATG GATTTGTTTT TATTACTTTA ATTTTGAAAC
9101    AATATAATCT TTTTTTTGTT GTTTTTTTGA GACAGGGTCT TACTCTGTCA
9151    CCCAGGCTGA GTGCAGTGGT GTGATCTTGG CTCACCTCAG CCTCGACCCC
9201    CTGGGCTCAA ATGATTCTCC CACCTCAGCT TCCCAAGTAG CTGGGACCAC
9251    AGGTGCGTGT GTTGCGCTAT ACAAATCCTG AAGACAAGGA TGCTGTTGCT
9301    GGTGATGCTG GGGATTCCCA AGATCCCAGA TTTGATGGCA GGATGCCCCT
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FIG. 10E

9351	GTCTGCTGCC	TTGCCAGGGT	GCCAGGAGGG	CGCTGCTGTG	GAAGCTGAGG
9401	CCCGGCCATC	CAGGGCGATG	CATTGGGCGC	TGATTCTTGT	TCCTGCTGCT
9451	GCCTCGGTGC	TTAGCTTTTG	AAACAATGAA	ATAAATTAGA	ACCAGTGTGA
9501	AAATCGATCA	GGGAATAAAT	TTAATGTGGA	AATAAACTGA	ACAACTTAGT
9551	TCTTCATAAG	AGTTTACTTG	GTAAATACTT	GTGATGAGGA	CAAAACGAAG
9601	CACTAGAAGG	AGAGGCGAGT	TGTAGACCTG	GGTGGCAGGA	GTGTTTTGTT
9651	TGTTTTCTTT	GGCAGGGTCT	TGCTCTGTTG	CTCAGGCTGG	AGTACAGTGG
9701	CACAATCACA	GCTCACTATA	GCCTCGACCT	CCTGGACTCA	AGCAATCCTC
9751	CTGCCTCAGC	CTCCCAGTAG	CTGGGACTAC	AGGCGCATGC	CACCATGCCT
9801	GGCTAATTTT	AAATTTTTTT	TTTTCTCTTT	TTTGAGATGG	AATCTCACTC
9851	TGTCGCCCAG	GCTGGAGTGC	AGTGGCGTGA	TCTCGGCTGA	CGGCAAGCTC
9901	CGCCTCCCAG	GTTCACTCCA	TTCGCCTGCC	TCAGCCTCCC	AAGTAGCTGG
9951	GACTACAGGC	GCTGGGATTA	CAAACCCAAA	CCCAAAGTGC	TGGGATTACA
10001	GGCGTGAGCC	ACTGCACCCG	GCCTGTTTTG	TCTTTCAATA	GCAAGAGTTG
10151	TGTTTGCTTC	GCCCCTACCT	TTAGTGGAAA	AATGTATAAA	ATGGAGATAT
10201	TGACCTCCAC	ATTGGGGTGG	TTAAATTATA	GCATGTATGC	AAAGGAGCTT
10251	CGCTAATTTA	AGGCTTTTTT	GAAAGAGAAG	AAACTGAATA	ATCCATGTGT
10301	GTATATATAT	TTTAAAAGCC	ATGGTCATCT	TTCCATATCA	GTAAAGCTGA
10351	GGCTCCCTGG	GACTGCAGAG	TTGTCCATCA	CAGTCCATTA	TAAGTGCGCT
10401	GCTGGGCCAG	GTGCAGTGGC	TTGTGCCTGA	ATCCCAGCAC	TTTGGGAGGC
10451	CAAGGCAGGA	GGATTCATTG	AGCCCAGGAG	TTTTGAGGCG	AGCCTGGGCA
10501	ATGTGGCCAG	ACCTCATCTC	TTCAAAAAAT	ACACAAAAAA	TTAGCCAGGC
10551	ATGGTGGCAC	GTGCCTGTAG	TCTCAGCTAC	TCAGGAGGCT	GAGGTGGGAG
10601	GATCACTTTG	AGCCTTGCAG	GTCAAAGCTG	CAGTAAGCCA	TGATCTTGCC
10651	ACTGCATTCC	AGCCTGGATG	ACAGAGCGAG	ACCCTGTCTC	TAAAAAAAAA
10701	AAAAACCAAA	CGGTGCACTG	TTTTCTTTTT	TCTTATCAAT	TTATTATTTT
10751	TAAATTAAAT	TTTCTTTTAA	TAATTTATAA	ATTATAAATT	TATATTAAAA
10801	AATGACAAAT	TTTTATTACT	TATACATGAG	GTAAAACTTA	GGATATATAA
10851	AGTACATATT	GAAAAGTAAT	TTTTTGGCTG	GCACAGTGGC	TCACACCTGT
10901	AATCCCAGCA	CTTTGGGAGG	CCGTGGCGGG	CAGATCACAT	GAGATCATGA
10951	GTTCGAGACC	AACCTGACCA	ACATGGAGAG	ACCCCATCTC	TACTAAAAAT
11001	ACAAAATTAG	CCGGGGTGGT	GGCGCATGCC	TGTAATCCCA	GCTACTCGGG
11051	AGGCTGAGGC	AGGAGAATCT	CTTGAACCCG	GGAGGCAGAG	GTTGCGGTGA
11101	GCCAAGATCG	TGCCTTTGCA	CACCAGCCTA	GGCAACAAGA	GCGAAAGTCC
11151	GTCTCAAAAA	AAAAGTAATT	TTTTTTAAGT	TAACCTCTGT	CAGCAAACAA
11201	ATTTAACCCA	ATAAAGGTCT	TTGTTTTTTA	ATGTAGTAGA	GGAGTTAGGG
11251	TTTATAAAAA	ATATGGTAGG	GAAGGGGGTC	CCTGGATTTG	CTAATGTGAT
11301	TGTCATTTGC	CCCTTAGGAG	AGAGCTCTGT	TAGCAGAATG	AAAAAATTGG
11351	AAGCCAGATT	CAGGGAGGGA	CTGGAAGCAA	AAGAATTTCT	GTTCGAGGAA
11401	GAGCCTGATG	TTTGCCAGGG	TCTGTTTAAC	TGGACATGAA	GAGGAAGGCT
11451	CTGGACTTTC	CTCCAGGAGT	TTCAGGAGAA	AGGTAGGGCA	GTGGTTAAGA
11501	GCAGAGCTCT	GCCTAGACTA	GCTGGGGTGC	CTAGACTAGC	TGGGGTGCCC
11551	AGACTAGCTG	GGGTGCCTAG	ACTAGCTGGG	TACTTTGAGT	GGCTCCTTCA
11601	GCCTGGACCT	CGGTTTCCTC	ACCTGTATAG	TAGAGATATG	GGAGCACCCA
11651	GCGCAGGATC	ACTGTGAACA	TAAATCAGTT	AATGGAGGAA	GCAGGTAGAG
11701	TGGTGCTGGG	TGCATACCAA	GCACTCCGTC	AGTGTTTCCT	GTTATTCGAT
11751	GATTAGGAGG	CAGCTTAAAC	TAGAGGGAGT	TGAGCTGAAT	CAGGATGTTT
11801	GTCCCAGGTA	GCTGGGAATC	TGCCTAGCCC	AGTGCCCAGT	TTATTTAGGT

FIG. 10F

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11851   GCTCTCTCAG TGTTCCCTGA TTGTTTTTTC CTTTGTCATC TTATCTACAG
11901   GATGTGACTG GGAAGCTCTG GTTTCAGTGT CATGTGTCTA TTCTTTATTT
11951   CCAGGCAAAG GAAACCAACA ATAAGAAGAA AGAATTTGAG GAAACTGCGA
12001   AGAAAGTGCG CCGTGCCATC GAGCAGCTGG CTGCCATGGA TTGAGGCCTC
12051   TGGCCGGAGC TGCCTGGTCC CAGAGTGGCT GCACCACTTC CAGGGTTTAT
12101   TCCCTGGTGC CACCAGCCTT CCTGTGGGCC CCTTAGCAAT GTCTTAGGAA
12151   AGGAGATCAA CATTTTCAAA TTAGATGTTT CAACTGTGCT CCTGTTTTGT
12201   CTTGAAAGTG GCACCAGAGG TGCTTCTGCC TGTGCAGCGG GTGCTGCTGG
12251   TAACAGTGGC TGCTTCTCTC TCTCTCTCTC TTTTTTGGGG GCTCATTTTT
12301   GCTGTTTTGA TTCCCGGGCT TACCAGGTGA GAAGTGAGGG AGGAAGAAGG
12351   CAGTGTCCCT TTTGCTAGAG CTGACAGCTT TGTTCGCGTG GGCAGAGCCT
12401   TCCACAGTGA ATGTGTCTGG ACCTCATGTT GTTGAGGCTG TCACAGTCCT
12451   GAGTGTGGAC TTGGCAGGTG CCTGTTGAAT CTGAGCTGCA GGTTCCTTAT
12501   CTGTCACACC TGTGCCTCCT CAGAGGACAG TTTTTTTGTT GTTGTGTTTT
12551   TTTGTTTTTT TTTTTTGGTA GATGCATGAC TTGTGTGTGA TGAGAGAATG
12601   GAGACAGAGT CCCTGGCTCC TCTACTGTTT AACAACATGG CTTTCTTATT
12651   TTGTTTGAAT TGTTAATTCA CAGAATAGCA CAAACTACAA TTAAAACTAA
12701   GCACAAAGCC ATTCTAAGTC ATTGGGGAAA CGGGGTGAAC TTCAGGTGGA
12751   TGAGGAGACA GAATAGAGTG ATAGGAAGCG TCTGGCAGAT ACTCCTTTTG
12801   CCACTGCTGT GTGATTAGAC AGGCCCAGTG AGCCGCGGGG CACATGCTGG
12851   CCGCTCCTCC CTCAGAAAAA GGCAGTGGCC TAAATCCTTT TTAAATGACT
12901   TGGCTCGATG CTGTGGGGGA CTGGCTGGGC TGCTGCAGGC CGTGTGTCTG
12951   TCAGCCCAAC CTTCACATCT GTCACGTTCT CCACACGGGG GAGAGACGCA
13001   GTCCGCCCAG GTCCCCGCTT TCTTTGGAGG CAGCAGCTCC CGCAGGGCTG
13051   AAGTCTGGCG TAAGATGATG GATTTGATTC GCCCTCCTCC CTGTCATAGA
13101   GCTGCAGGGT GGATTGTTAC AGCTTCGCTG GAAACCTCTG GAGGTCATCT
13151   CGGCTGTTCC TGAGAAATAA AAAGCCTGTC ATTTCAAACA CTGCTGTGGA
13201   CCCTACTGGG TTTTTAAAAT ATTGTCAGTT TTTCATCGTC GTCCCTAGCC
13251   TGCCAACAGC CATCTGCCCA GACAGCCGCA GTGAGGATGA GCGTCCTGGC
13301   AGAGACGCAG TTGTCTCTGG GCGCTTGCCA GAGCCACGAA CCCCAGACCT
13351   GTTTGTATCA TCCGGGCTCC TTCCGGGCAG AAACAACTGA AAATGCACTT
13401   CAGACCCACT TATTTATGCC ACATCTGAGT CGGCCTGAGA TAGACTTTTC
13451   CCTCTAAACT GGGAGAATAT CACAGTGGTT TTTGTTAGCA GAAAATGCAC
13501   TCCAGCCTCT GTACTCATCT AAGCTGCTTA TTTTTGATAT TTGTGTCAGT
13551   CTGTAAATGG ATACTTCACT TTAATAACTG TTGCTTAGTA ATTGGCTTTG
13601   TAGAGAAGCT GGAAAAAAAT GGTTTTGTCT TCAACTCCTT TGCATGCCAG
13651   GCGGTGATGT GGATCTCGGC TTCTGTGAGC CTGTGCTGTG GGCAGGGCTG
13701   AGCTGGAGCC GCCCCTCTCA GCCCGCCTGC CACGGCCTTT CCTTAAAGGC
13751   CATCCTTAAA ACCAGACCCT CATGGCTGCC AGCACCTGAA AGCTTCCTCG
13801   ACATCTGTTA ATAAAGCCGT AGGCCCTTGT CTAAGCGCAA CCGCCTAGAC
13851   TTTCTTTCAG ATACATGTCC ACATGTCCAT TTTTCAGGTT CTCTAAGTTG
13901   GAGTGGAGTC TGGGAAGGGT TGTGAATGAG GCTTCTGGGC TATGGGTGAG
13951   GTTCCAATGG CAGGTTAGAG CCCCTCGGGC CAACTGCCAT CCTGGAAAGT
14001   AGAGACAGCA GTGCCCGCTG CCCAGAAGAG ACCAGCAAGC CAAACTGGAG
14051   CCCCCATTGC AGGCTGTCGC CATGTGGAAA GAGTAACTCA CAATTGCCAA
14101   TAAAGTCTCA TGTGGTTTTA TCTACTTTTT TTTTCTTTTT CTTTTTTTTT
14151   GAGACAAGGC CTTGCCCTCC CAGGCTGGAG TGCAGTGGAA TGACCACAGC
14201   TCACCGCAAC CTCAAATTCT TGCGTTCAAG TGAACCTCCC ACTTTAGCCT
```

FIG. 10G

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14251   CCCAAGTAGC TGGGACTACA GGCGCACGCC ATCACACCCG GCTAATTGAA
14301   AAATTTTTTT TTTTGTTTAG ATGGAATCTC ACTTTGTTGC CCAGGCTGGT
14351   CTCAAACTCC TGGGCTCAAG TGATCATCCT GCTTCAGCGT CCGACTTGTT
14401   GGTATTATAG GCGTGAGCCA CTGGGCCTGA CCTAGCTACC ATTTTTTAAT
14451   GCAGAAATGA AGACTTGTAG AAATGAAATA ACTTGTCCAG GATAGTCGAA
14501   TAAGTAACTT TTAGAGCTGG GATTTGAACC CAGGCAATCT GGCTCCAGAG
14551   CTGGGCCCTC ACTGCTGAAG GACACTGTCA GCTTGGGAGG GTGGCTATGG
14601   TCGGCTGTCT GATTCTAGGG AGTGAGGGCT GTCTTTAAAG CACCCCATTC
14651   CATTTTCAGA CAGCTTTGTC AGAAAGGCTG TCATATGGAG CTGACACCTG
14701   CCTCCCCAAG GCTTCCATAG ATCCTCTCTG TACATTGTAA CCTTTTATTT
14751   TGAAATGAAA ATTCACAGGA AGTTGTAAGG CTAGTACAGG GGATCC
```

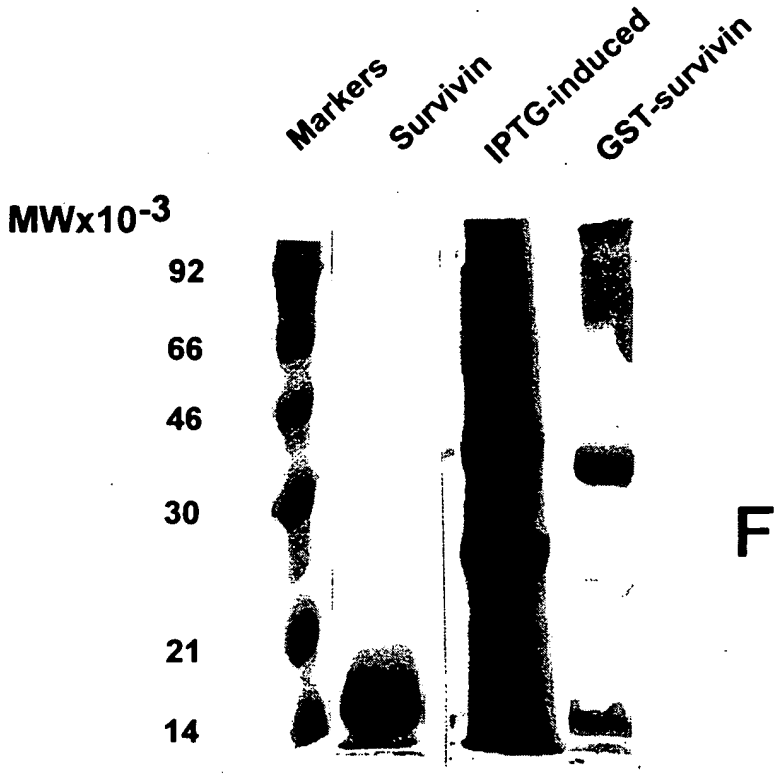

FIG. 11A

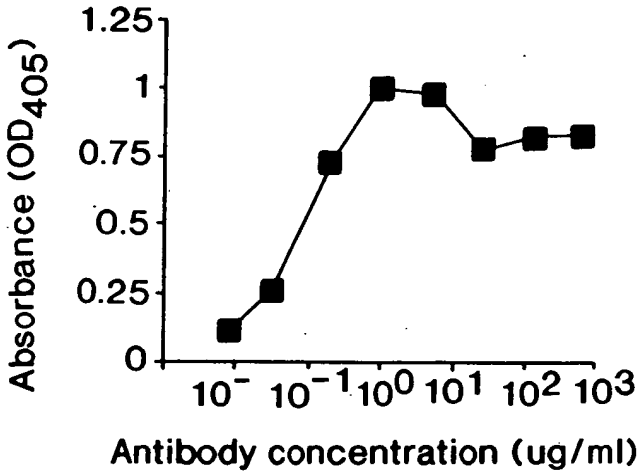

FIG. 11B

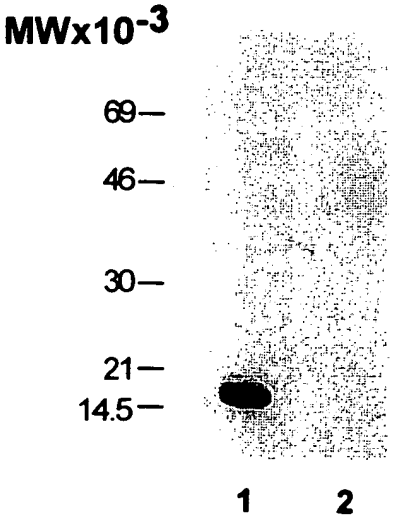

FIG. 11C

FIG.12

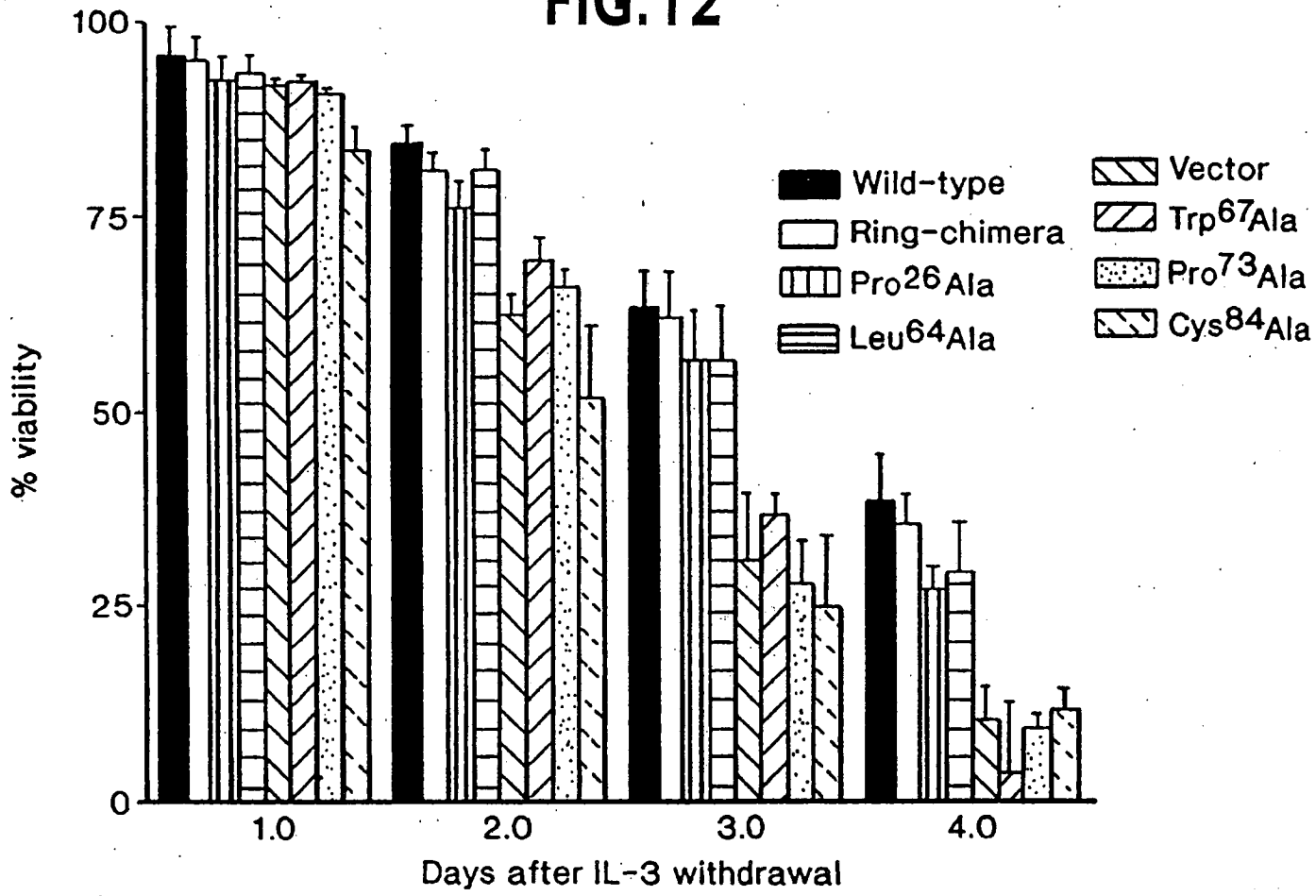

FIG. 13

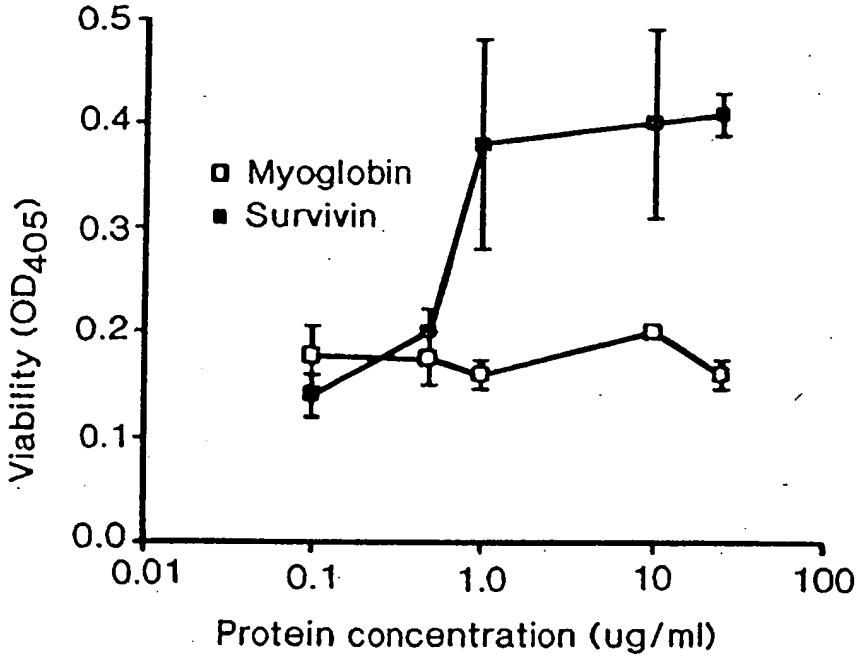

FIG. 14A

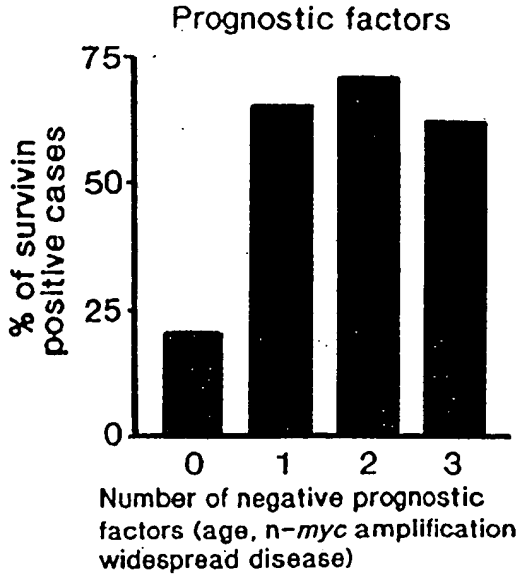

FIG. 14B

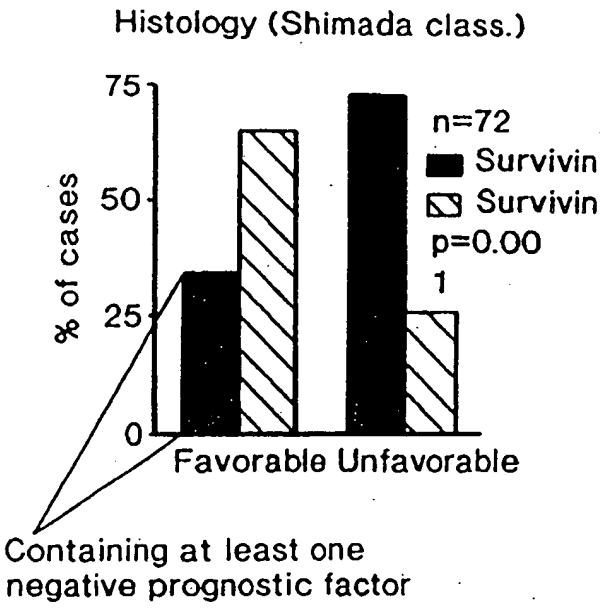

FIG. 15A

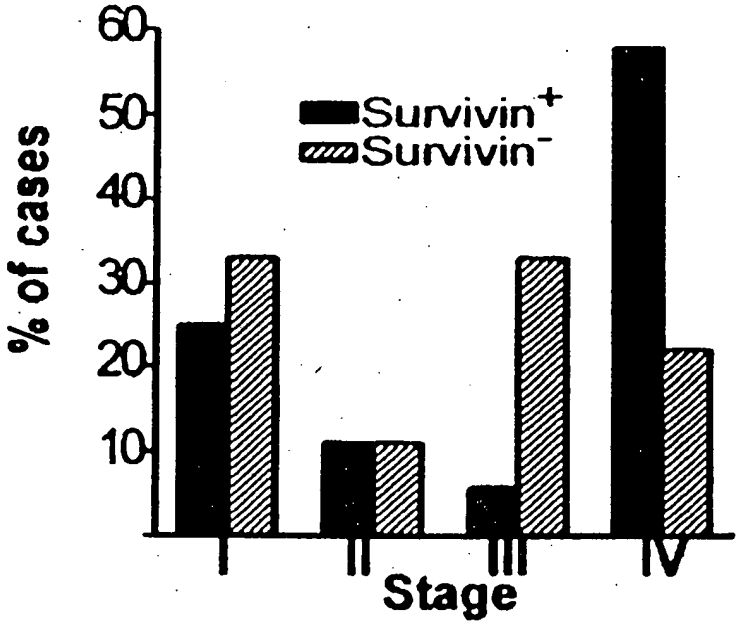

FIG. 15B

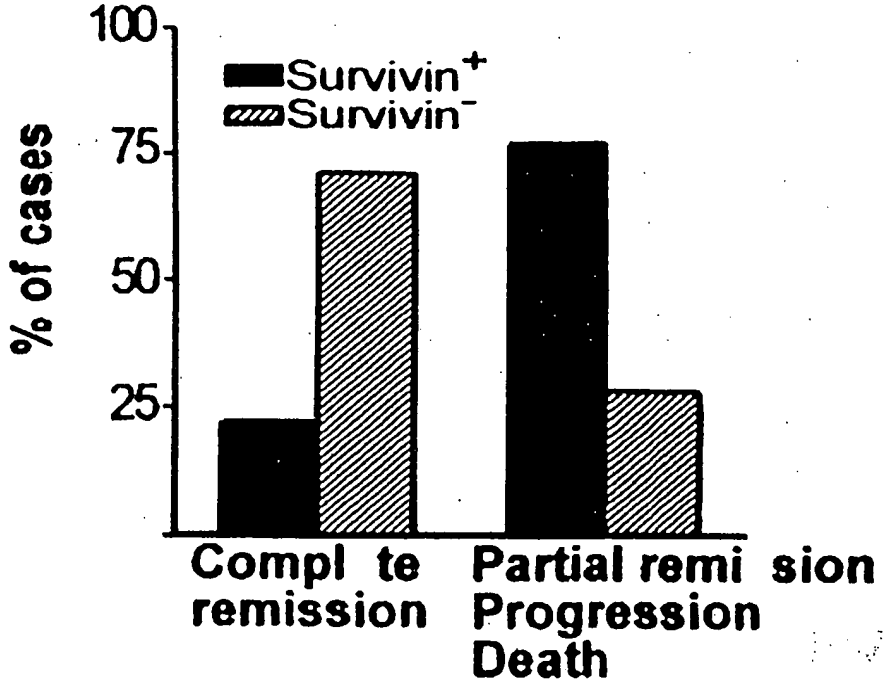

FIG. 16

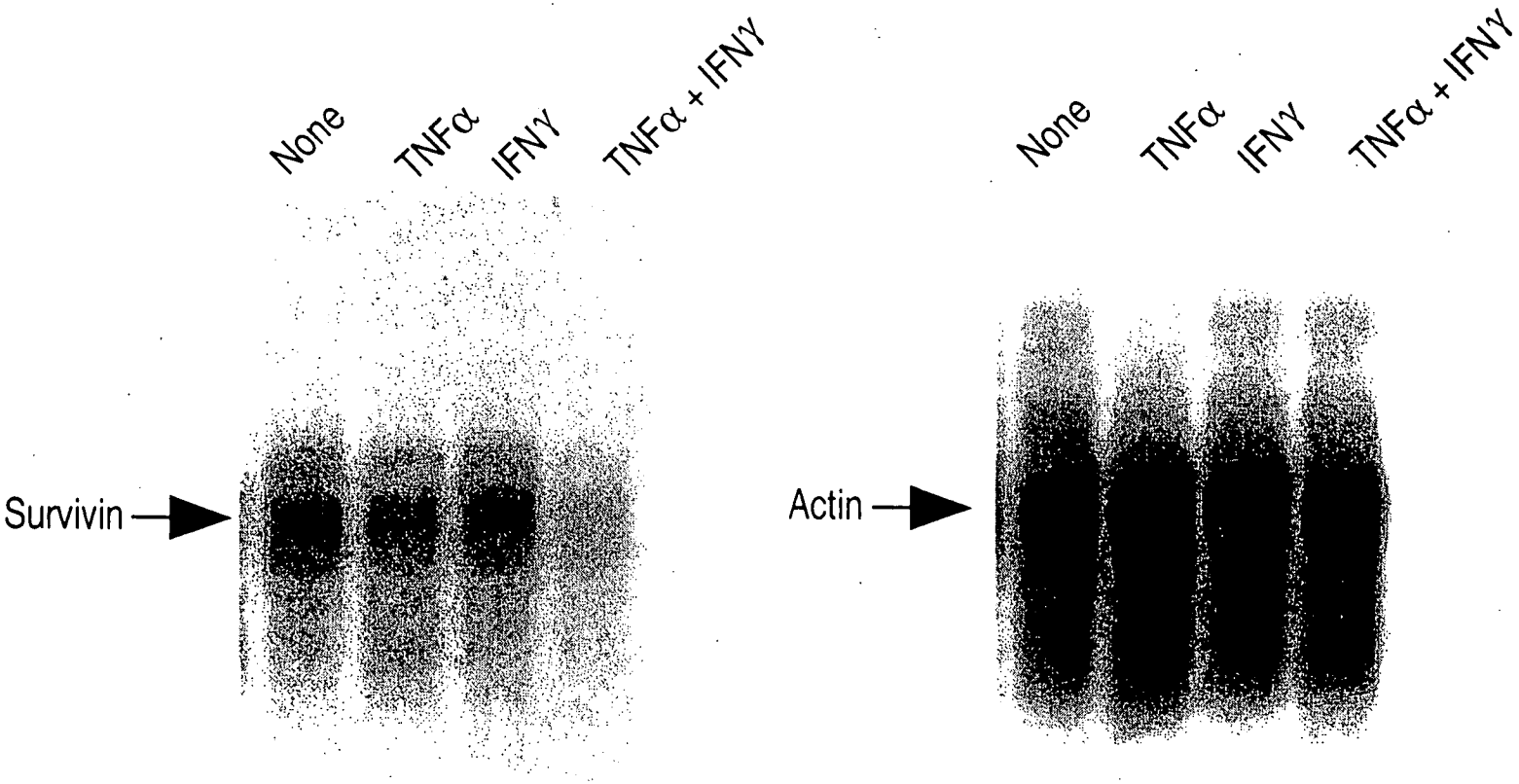

FIG. 17